

CLAIMS (2nd version)

1. Gear for precision devices comprising at least two toothed wheels (10, 14) cooperating with each other and without any clearance, wherein:
 - the teeth (12) of one of the wheels (10) are provided with a radial slot (26) which divides them into two half-teeth (22, 24), and
 - one of said half-teeth (24) comprises a recess (28) enabling it to be deformed elastically upon compression,
- 10 characterized in that the other half-tooth (22) is complete and has sufficient rigidity to properly ensure transmission of the forces to which it is subjected.
2. Gear according to claim 1, characterized in that said radial slot (26) extends slightly beyond the pitch circle (20) of the wheel.
- 15 3. Gear according to any of claims 1 and 2, characterized in that, at the tip of the teeth (12), said radial slot (26) has a width substantially corresponding to the clearance that the gear would have if it were of the conventional type.
- 20 4. Gear according to any of claims 1 to 3, characterized in that said recess (28) enlarges increasingly from the tip of the teeth towards the pitch circle (20) of the wheel.
- 25 5. Gear according to any of claims 1 to 4, characterized in that the thickness of the hollowed half-tooth (24), on the pitch circle (18) of the wheel is substantially half that of the other half-tooth (22).

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